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**From:** Kadeli, Lek [Kadeli.Lek@epa.gov]  
**Sent:** 6/3/2019 8:21:53 PM  
**To:** Beck, Nancy [Beck.Nancy@epa.gov]; Dunn, Alexandra [dunn.alexandra@epa.gov]  
**Subject:** RE: Following up -- IRIS PFAS Systematic Review Protocol

Thanks Nancy.

I do Alex. I have a clarification that I can follow-up on when we meet next.

Tnx,

Lek

Lek G Kadeli  
Acting Deputy Assistant Administrator for Management  
Office of Chemical Safety and Pollution Prevention  
United States Environmental Protection Agency  
P: 202-564-2902  
Kadeli.Lek@EPA.Gov

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**From:** Beck, Nancy  
**Sent:** Monday, June 03, 2019 2:12 PM  
**To:** Dunn, Alexandra <dunn.alexandra@epa.gov>; Kadeli, Lek <Kadeli.Lek@epa.gov>  
**Subject:** Re: Following up -- IRIS PFAS Systematic Review Protocol

+Lek

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Nancy B. Beck, Ph.D., DABT  
Principal Deputy Assistant Administrator  
Office of Chemical Safety and Pollution Prevention  
P: 202-564-1273  
beck.nancy@epa.gov

On Jun 3, 2019, at 1:52 PM, Dunn, Alexandra <dunn.alexandra@epa.gov> wrote:

Just making sure Lek you got this.

Alexandra Dapolito Dunn, Esq.  
Assistant Administrator  
Office of Chemical Safety and Pollution Prevention  
U.S. Environmental Protection Agency  
(202) 564-2910  
dunn.alexandra@epa.gov

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**From:** Kadeli, Lek  
**Sent:** Friday, May 31, 2019 9:12 AM  
**To:** Dunn, Alexandra <dunn.alexandra@epa.gov>; Beck, Nancy <Beck.Nancy@epa.gov>; Bertrand,

Charlotte <[Bertrand.Charlotte@epa.gov](mailto:Bertrand.Charlotte@epa.gov)>

**Subject:** RE: Following up -- IRIS PFAS Systematic Review Protocol

Will do.

Lek G Kadeli

Acting Deputy Assistant Administrator for Management

Office of Chemical Safety and Pollution Prevention

United States Environmental Protection Agency

P: 202-564-2902

[Kadeli.Lek@EPA.Gov](mailto:Kadeli.Lek@EPA.Gov)

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**From:** Dunn, Alexandra

**Sent:** Friday, May 31, 2019 9:09 AM

**To:** Beck, Nancy <[Beck.Nancy@epa.gov](mailto:Beck.Nancy@epa.gov)>; Bertrand, Charlotte <[Bertrand.Charlotte@epa.gov](mailto:Bertrand.Charlotte@epa.gov)>; Kadeli, Lek <[Kadeli.Lek@epa.gov](mailto:Kadeli.Lek@epa.gov)>

**Subject:** RE: Following up -- IRIS PFAS Systematic Review Protocol

Lek,

Can you follow up with Tina and see about working on some sort of "explanation" for the differences? In case needed. It will help us think through what is going on here.

Alexandra Dapolito Dunn, Esq.

Assistant Administrator

Office of Chemical Safety and Pollution Prevention

U.S. Environmental Protection Agency

(202) 564-2910

[dunn.alexandra@epa.gov](mailto:dunn.alexandra@epa.gov)

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**From:** Beck, Nancy

**Sent:** Friday, May 31, 2019 8:42 AM

**To:** Dunn, Alexandra <[dunn.alexandra@epa.gov](mailto:dunn.alexandra@epa.gov)>; Bertrand, Charlotte <[Bertrand.Charlotte@epa.gov](mailto:Bertrand.Charlotte@epa.gov)>; Kadeli, Lek <[Kadeli.Lek@epa.gov](mailto:Kadeli.Lek@epa.gov)>

**Subject:** RE: Following up -- IRIS PFAS Systematic Review Protocol

Your understanding is correct.

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Nancy B. Beck, Ph.D., DABT

Principal Deputy Assistant Administrator, OCSP

P: 202-564-1273

[beck.nancy@epa.gov](mailto:beck.nancy@epa.gov)

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**From:** Dunn, Alexandra

**Sent:** Friday, May 31, 2019 8:38 AM

**To:** Beck, Nancy <[Beck.Nancy@epa.gov](mailto:Beck.Nancy@epa.gov)>; Bertrand, Charlotte <[Bertrand.Charlotte@epa.gov](mailto:Bertrand.Charlotte@epa.gov)>; Kadeli, Lek <[Kadeli.Lek@epa.gov](mailto:Kadeli.Lek@epa.gov)>

**Subject:** FW: Following up -- IRIS PFAS Systematic Review Protocol

Glancing through this....It appears that there continues to be disconnect btw how IRIS is doing systematic review and how we are doing so. Do we need to flesh out a statement/back pocket about

why this is and what it means? My understanding is the IRIS handbook is not being finalized but the approaches in it which OCSPP has concerns with are being deployed through chemical specific work.

Alexandra Dapolito Dunn, Esq.  
Assistant Administrator  
Office of Chemical Safety and Pollution Prevention  
U.S. Environmental Protection Agency  
(202) 564-2910  
[dunn.alexandra@epa.gov](mailto:dunn.alexandra@epa.gov)

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**From:** Bahadori, Tina  
**Sent:** Thursday, May 30, 2019 4:11 PM  
**To:** Hamernik, Karen <[Hamernik.Karen@epa.gov](mailto:Hamernik.Karen@epa.gov)>; Beck, Nancy <[Beck.Nancy@epa.gov](mailto:Beck.Nancy@epa.gov)>; Bertrand, Charlotte <[Bertrand.Charlotte@epa.gov](mailto:Bertrand.Charlotte@epa.gov)>; Hughes, Hayley <[hughes.hayley@epa.gov](mailto:hughes.hayley@epa.gov)>; Hanley, Mary <[Hanley.Mary@epa.gov](mailto:Hanley.Mary@epa.gov)>; Keller, Kaitlin <[keller.kaitlin@epa.gov](mailto:keller.kaitlin@epa.gov)>  
**Cc:** Dunn, Alexandra <[dunn.alexandra@epa.gov](mailto:dunn.alexandra@epa.gov)>; Kadeli, Lek <[Kadeli.Lek@epa.gov](mailto:Kadeli.Lek@epa.gov)>; Orme-Zavaleta, Jennifer <[Orme-Zavaleta.Jennifer@epa.gov](mailto:Orme-Zavaleta.Jennifer@epa.gov)>; Robbins, Chris <[Robbins.Chris@epa.gov](mailto:Robbins.Chris@epa.gov)>; Dunlap, David <[dunlap.david@epa.gov](mailto:dunlap.david@epa.gov)>; Rodan, Bruce <[rodan.bruce@epa.gov](mailto:rodan.bruce@epa.gov)>; Thayer, Kris <[thayer.kris@epa.gov](mailto:thayer.kris@epa.gov)>; Lavoie, Emma <[Lavoie.Emma@epa.gov](mailto:Lavoie.Emma@epa.gov)>; Kraft, Andrew <[Kraft.Andrew@epa.gov](mailto:Kraft.Andrew@epa.gov)>; Soto, Vicki <[Soto.Vicki@epa.gov](mailto:Soto.Vicki@epa.gov)>; D'Amico, Louis <[DAmico.Louis@epa.gov](mailto:DAmico.Louis@epa.gov)>  
**Subject:** Following up -- IRIS PFAS Systematic Review Protocol

Hello Karen and OCSPP Colleagues,

Thanks so much for sending OCSPP's comments. We just finished the EPA-wide briefing on this protocol with over a 100 participants. For your reference, I am attaching the responses previously provided to OCSPP on the IRIS Handbook to these same concerns. In order to meet our publicized deadlines and be in a position to be responsive to TSCA's, we plan to move forward to receive public comments on this problem formulation document. But we would be glad to constructively engage with OCSPP on systematic review methods at any time. Please note that all the review/synthesis/integration methods described in this protocol have been recently published in similar protocols for [chloroform](#) (2018), [hexavalent chromium](#) (2019) and [inorganic arsenic](#) (2019), and they are the same as those that received public comment and favorable review by the [NAS in 2018](#). Finally, as you know, the NAS is holding a workshop on Monday-Tuesday on this topic [Evidence Integration in Chemical Assessments](#), which provides a great venue to deliberate the approaches in the scientific community (agenda attached).

Looking forward to a sustained and highly productive partnership.

With warm regards,

Tina  
202-564-7903

-----Original Message-----

From: Hamernik, Karen  
Sent: Wednesday, May 29, 2019 10:52 AM  
To: Kraft, Andrew <[Kraft.Andrew@epa.gov](mailto:Kraft.Andrew@epa.gov)>  
Cc: Soto, Vicki <[Soto.Vicki@epa.gov](mailto:Soto.Vicki@epa.gov)>; Lavoie, Emma <[Lavoie.Emma@epa.gov](mailto:Lavoie.Emma@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Bertrand, Charlotte <[Bertrand.Charlotte@epa.gov](mailto:Bertrand.Charlotte@epa.gov)>; Beck, Nancy <[Beck.Nancy@epa.gov](mailto:Beck.Nancy@epa.gov)>; Hughes, Hayley <[hughes.hayley@epa.gov](mailto:hughes.hayley@epa.gov)>; Hanley, Mary

<Hanley.Mary@epa.gov>; Keller, Kaitlin <keller.kaitlin@epa.gov>

Subject: RE: IRIS PFAS Systematic Review Protocol

Hi Andrew,

Hope you will accept one more comment from OCSPP received today.  
Folks were occupied with other activities.

"OCSPP is concerned with Chapter 10 that describes an approach to evidence integration. The same issues have been raised by OCSPP before and are being raised within the STPC, thus we think it is premature to release, even as a draft, until the concerns with the approach have been addressed."

Thanks for the opportunity to comment.

Karen

-----Original Message-----

From: Kraft, Andrew

Sent: Wednesday, May 29, 2019 7:27 AM

To: Hamernik, Karen <Hamernik.Karen@epa.gov>

Cc: Soto, Vicki <Soto.Vicki@epa.gov>; Lavoie, Emma <Lavoie.Emma@epa.gov>; Bahadori, Tina <Bahadori.Tina@epa.gov>

Subject: Re: IRIS PFAS Systematic Review Protocol

Thank you, Karen!

Best,

Andrew

> On May 28, 2019, at 9:38 PM, Hamernik, Karen <Hamernik.Karen@epa.gov> wrote:

>

> Hi Andrew,

>

> Attached are some comments from OCSPP.

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> Please let us know if there are any questions.

>

> Thanks,

> Karen

> POC for OCSPP

>

> From: Bahadori, Tina

> Sent: Wednesday, May 15, 2019 9:19 AM

> Cc: Thayer, Kris <thayer.kris@epa.gov>; Avery, James

> <Avery.James@epa.gov>; Kraft, Andrew <Kraft.Andrew@epa.gov>; Soto,

> Vicki <Soto.Vicki@epa.gov>; Shams, Dahnish <Shams.Dahnish@epa.gov>

> Subject: RE: IRIS PFAS Systematic Review Protocol

>

> Hello Again,

>

> Several of you reached out and asked, so I wanted to clarify: if you see red flags or showstoppers, please send them by May 28th. As a reminder, the EPA-wide briefing will be held on Thursday, May 30th at 3PM Eastern.

>

> Thank you,  
> Tina  
> 202-564-7903  
>  
> From: Bahadori, Tina  
> Sent: Tuesday, May 14, 2019 3:14 PM  
> Subject: IRIS PFAS Systematic Review Protocol  
>  
> Hello Everyone,  
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>  
> As mentioned during the IRIS Kick-off meeting in February and every EPA-Wide IRIS Meeting since, we are planning to release the Systematic Review Protocol for the PFBA, PFHxA, PFHxS, PFNA, and PFDA IRIS Assessments for public comment in June. In preparation, we are providing the current draft of the document (attached here again) and have scheduled an EPA-wide briefing for May 30th at 3:00 PM Eastern (calendar invite below).  
>  
>  
>  
> If as you read the protocol you see show-stoppers or red flags that you would like to bring to our attention, please contact Andrew Kraft<mailto:Kraft.Andrew@EPA.Gov>, IRIS Associate Director for Science and NCEA PFAS Lead. Please also copy Vicki Soto<mailto:Soto.Vicki@epa.gov> in your communications as Andrew may be out during part of this month.  
>  
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>  
> Thank you for your interest and engagement,  
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>  
> Tina  
>  
> =====  
> Tina Bahadori, Sc.D.  
> Director, National Center for Environmental Assessment (EPA/ORD/NCEA)  
> National Program Director, Human Health Risk Assessment (EPA/ORD/HHRA)  
> Telephone: 202-564-7903  
>  
>  
> -----Original Appointment-----  
> From: HHRA\_Meetings  
> Sent: Thursday, May 9, 2019 3:34 PM  
> To: HHRA\_Meetings  
> Subject: Attachment Added : PFAS Systematic Review Protocol. Briefing  
> for the EPA-Wide IRIS Community on May 30th at 3PM Eastern  
> When: Thursday, May 30, 2019 3:00 PM-4:00 PM (UTC-05:00) Eastern Time (US & Canada).  
> Where: DC RRB 51161 (Policyeum); 202-991-0477, 629790; skype link  
> below  
>  
>  
> Hello Everyone,  
>

> As mentioned during the EPA-Wide IRIS Meeting last week, attached to this meeting invitation, we are providing for your reference the Systematic Review Protocol for the PFBA, PFHxA, PFHxS, PFNA, and PFDA IRIS Assessments. This document is currently being tech-edited and prepared to be posted for public comment in June. On May 30th at 3:00 PM Eastern, IRIS will provide an EPA-wide briefing on this work. If you have any questions, please don't hesitate to reach out to Andrew Kraft<mailto:Kraft.Andrew@EPA.Gov>, IRIS Associate Director for Science and NCEA PFAS Lead.

>

> Thanks!

> Join Skype Meeting<<https://meet.lync.com/usepa/bahadori.tina/RL4KJLDJ>>

> Trouble Joining? Try Skype Web

> App<<https://meet.lync.com/usepa/bahadori.tina/RL4KJLDJ?sl=1>>

>

> <Some OCSPP comments\_052819\_KH\_5PFASProtocol051319IOAAreview.docx>